Mapline

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A Collection of Haas Typographic Maps

Figure 1. Wilhelm Haas (father, 1741-1800), "Carta della Sicilia composta secondo quella di Jaillot con Caratteri mobili" (1777). The Newberry Library

The Hermon Dunlap Smith Center for the History of Cartography was founded in 1972 at The Newberry Library to promote the study of the history of cartography through research projects, fellowships, courses of instruction, and publications. Further information about the Center is available on request from the Director, David Buisseret.

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One recent fashion in the study of maps has been to compare them to spoken language. This analogy has its attractive points: If we accept that the individual pieces of map information (individual towns, rivers, mountains, and so on) are the map's words, then the way in which the reader makes sense of all these pieces of information--that is, determining relative location, distance, size, orientation, and so on--relies on something like the syntax, grammars, and semiotics of spoken and written language. In its broader formulations the analogy asserts that cartography, like all forms of representation, is rule-bound, which is to say that most cartographers (including amateur cartographers) approach each mapmaking task with a certain amount of intellectual and cultural baggage: some idea of what a map should look like and the "right" ways of conveying certain kinds of information and geographical ideas. It might be said, then, that cartography behaves like a language, since the grammar and vocabulary of any given language influences what its speakers have to say and how they say it, while allowing considerable freedom in the expression of particular thoughts and ideas.

The map/language analogy also has its limits, especially if one tries to apply it too literally. This point is nowhere better made than in the context of eighteenth and nineteenth-century experiments with "typographic" maps--that is, maps printed entirely from movable type. Looking for a way of achieving the quality and durability of engraved copper plates at a lesser cost, proponents of this technique thought it would be possible to develop a universally applicable yet finite set of cartographic "characters" from which maps could be constructed "word" by "word,"

Figure 2. Alexis Hubert Jaillot, "La Sicile divisée en ses trois Provinces ou Vallées,"(Paris: Jaillot [i.e., Amsterdam: Pieter Mortier], ca. 1696). The Newberry Library

Figure 3. Wilhelm Haas (son, 1766-1838), "Darstellung der Neutralitaets linie welche von Preussen und Frankreich in der am 17 May 1795." The Newberry Library

"sentence" by "sentence," "paragraph" by "paragraph." These characters would include simple abstract forms (such as line segments of various shapes and thicknesses to represent rivers, roads, shorelines, and boundaries) pictoral symbols (e.g., for mountain ranges and towns), and of course letters of various styles and sizes. One eighteenth-century pioneer of the technique, August Gottlieb Preuschen of Karlsruhe, Germany, estimated that a useful set would require about 300 sorts of type, which is roughly three times that normally required for printing text. The technique encountered two problems that underscore fundamental difficulties in asserting a too literal map/language analogy. First, while printed texts are composed of discrete characters, words, sentences, and paragraphs, separated from each other by regulated widths and read in a prescribed direction, the marks on maps are read in no prescribed order and may--often must--"bump" into each other--which is something type cannot be easily made to do. Secondly, a printed letter will--indeed must--look the same way in each instance of its use within a given work. On maps as in other graphic arts some symbolic elements such as letters and town symbols behave in this way, but

others, such as rivers, are expected to be free-form, varying infinitely in orientation, shape, and thickness, so that they can be more evocative of the landscape represented.

The Newberry Library has recently purchased a set of 13 of these maps that ably illustrate these problems. Twelve of these are the work of two Wilhelm Haases, father and son, who were typefounders in Basel, Switzerland. The maps in the Newberry set represent roughly one half of this family's output of typographic maps, which spans the years 1776-1803 and includes maps of various European countries but primarily of Switzerland.

The elder Haas's map of Sicily (Figure 1), based on a much older copper-engraved map by Jaillot (Figure 2), shows that at first glance a carefully designed typographic map could compare quite favorably to a copper-engraved one. Consider that each letter in the place name label "Valle di Demona" (at upper right) had to be situated carefully so as to maintain even spacing between the letters while avoiding rivers and mountains; remember the river and adjacent letters are each imprinted by typeforms that, obviously, could not be placed on top of one another.

The younger Haas's map showing the treaty line of 1795 (delineating neutral German states into which belligerent forces were prohibited from entering) (Figures 3 and 4) is less successful in aping the elegant style of copper-engraved maps, particularly with regard to rivers and streams, which appear angular. Note that the naturally increasing widths of rivers from source to mouth (see, for example, the River Maas/Meuse as it flows from northward from France into the Rhine Delta) could not be indicated except by a series of abrupt transitions from one thickness to another. Another unusual and perhaps unfortunate side effect of the typographic technique was that, at any given scale, the smaller (thinner) watercourses could be more intricately and accurately represented than larger (thicker) ones. The number of characteristic shapes (e.g., straight, slight curve, sharp curve) available for representing wide and narrow rivers must have been roughly the same, but the thickness of the broad-river characters seem, ironically, to require even greater generalization of the river's course. In Haas's west-oriented map of Alsace, the Rhine looks strangely stiff and featureless in comparison to its tributaries, as if it were depicted on a different scale than the rest of

Figure 4. Detail of Wilhelm Haas (the younger), "Darstellung der Neutralitaets linie welche von Preussen und Frankreich in der am 17 May 1795." The Newberry Library

the map. A detail of a small portion of the Rhine on this map (Figure 5) suggests that Haas recognized this fault and compensated for it visually by introducing a "straight" character with spurious and identical undulations, leaving the impression that the river is shown with greater topological complexity than it actually is.

The Haases' maps are very early examples of the typographic technique. Succeeding generations

improved the technique considerably, but it never proved very flexible. Best suited for topographic and military maps at smaller scales, the technique discouraged the aesthetic spontaneity that hand-drawn and copper-engraved cartography displays, and could not adapt to the increasing variety of thematic cartography that developed over the course of the nineteenth century. Worse still, the cost of founding and setting characters ultimately proved prohibitive once lithography was successfully introduced to printed cartography.

The collection of 13 typographical maps, 1777-1803, by Wilhelm Haas elder and younger of Basel was acquired with the support of the Andrew McNally Map Fund and the General Supplementary Fund.

James R. Akerman
Assistant Director, The Smith Center

Figure 5. Detial of Wilhelm Haas (the younger), "Die Departemente des Ober-und Nieder-Rheins oder das ehemalige Elsass" (1803). The Newberry Library

For further reading:

Elizabeth M. Harris, "Miscellaneous Map Printing Processes in the Nineteenth Century," in *Five Centuries of Map Printing*, ed. David Woodward, pp. 113-36 (Chicago: University of Chicago Press, 1987), espec. pp. 114-17.

Eduard Hoffmann-Feer, *Die Typographie im Dienste der Landkarte* . (Basel: Helbing & Lichtenhahn, 1969).

Douglas C. McMurtie, "Printing Geographic Maps with Movable Types," *AB Bookman's Weekly*, July 12, 1976, pp. 178-92.

Smith Center Announcements

The Tenth Nebenzahl Lectures

Profiling the City, the Tenth Kenneth Nebenzahl, Jr., Lectures in the History of Cartography was held at the Newberry 7-9 November 1991. Each day, more than 100 attended the lectures, given by Naomi Miller, Nancy Steinhardt, Richard Kagan, Martha Pollak, David Buisseret, and Gerald Danzer, and covering diverse aspects of the historic interplay between urban cartography and urban planning in the West and China.

Ken Nebenzahl opened the proceedings Thursday night. After welcoming those in attendance, he announced that the Nebenzahl Prize had been awarded to Roger Kain of the University of Exeter (England) and Elizabeth Baigent of Oxford University for their work entitled *Cadastral Maps in the Service of the State: A History of Property Mapping in Europe and Her Colonies*. This book is now at the University of Chicago Press for publication. [The Smith Center established the Nebenzahl Prize in 1978 for book-length manuscripts in the history of cartography. Submissions for this award may be sent at any time to the Smith Center. Any manuscript judged worthy of the Prize will be published by the University of Chicago Press, and the Prize carries a monetary award of $1,500. The first Nebenzahl Prize was awarded to Professor Josef Konvitz of Michigan State University. His book *Cartography in France, 1660-1848: Science, Engineering, and Statecraft* was published in 1987.]

Following the opening lecture by Naomi Miller, a reception in the Newberry's lobby allowed attendees to obtain their first view of Martha Pollak's exhibit of early modern fortification manuals from the library's collection (see "New Publications"

Martha Pollak and Arthur Holzheimer admire Mr. Holzheimer's miniature cannons, which greeted visitors to Dr. Pollak's exhibit of early fortification manuals.

David Buisseret (left) and George Ritzlin (center) chat with Richard Kagan, one of the featured speakers at the Tenth Nebenzahl Lectures.

below).

The lectures ended on Saturday with a particularly animated round-table discussion including about 25 scholars. The lectures themselves will eventually be published by the University of Chicago Press. The eighth and ninth series, *Monarchs, Ministers and Maps* and *Rural Images* are currently being edited for publication.

Smith Center Staff

Center director David Buisseret participated in a paper session entitled "Cartographic Resources for the Study and Teaching of History," as part of the American Historical Association's annual meeting (27-30 December 1991).

Dr. Buisseret and Smith Center volunteer par excellence Art Holzheimer are together preparing a facsimile edition of the so-called Ramusio map of 1534 showing the New World and the Atlantic Ocean. We anticipate the full-color reproduction and historical commentary will form part of our occasional paper series.

David Buisseret will be chairing a session on "Perceptions of Landscape and the Art of Mapping" during the annual meeting of the College Art Association convening here in Chicago 12-15 February 1992. For information about the conference write the College Art Association, 275 Seventh Avenue, New York, NY 10001 (phone 212/691-1051).

Tina Reithmaier and David Buisseret are together preparing a checklist of recent work concerning the Columbian Encounter. The project is funded by the National Endowment for the Humanities, and will include video material as well as written publications. Sections of the checklist are being edited by Rolena Adorno (Princeton University), Olive Dickason (University of Alberta), and Teo Ruiz (City University of New York). The Center will publish the list in June. Readers wanting more information should write us.

Center assistant director James Akerman and the Newberry Library's Curator of Local and Family History David Thackery have recently concluded a two-year state-funded project dedicated to the preservation of selected copies of nineteenth- and early twentieth-century landownership atlases of Illinois counties. Through this project, about 180 atlases representing most every county in the state, and draw from small and large public libraries, historical societies, and major institutional libraries received conservation treatment. This treatment included minor repairs, cleaning, deacidification, mylar encapsulation, and sturdy rebinding. In all, Akerman and Thackery visited over 200 libraries and examined over 2000 atlases. Along the way they gathered holding information which they have included in a bibliography and union list of Illinois landownership maps and atlases (to 1930) co-edited by Michael Conzen, Professor of Geography at the University of Chicago. This bibliography/union list will be published by the Illinois Cooperative Collective Management Coordinating Committee early in 1992.

Smith Center Fellows

The Smith Center has welcomed four new research fellows this December and January. Two long-term fellows have come to stay, each for six months. Dr. William Wilkie, a professor of history at Loras College in Dubuque, Iowa, arrived in early January to work on his book *Mapping the Mississippi 1500-1830: A Human History.* The focus of the book will be on the "human channels through which information about the Mississippi, gathered in large part from the Indians, eventually appeared on maps published in Europe." Dr. Wilkie is attempting the often difficult task of writing a scholarly book that will appeal to a popular audience, possibly even juvenile readers.

Our second long-term fellow is Tom Clark Conley, who is from the Department of French and Italian, the University of Minnesota. Professor Conley has written on a wide range of subjects including medieval and early modern literature, the arts, and film. Currently, he researching and writing a book, entitled *The Self Made Map: Literature and Cartography in Early Modern France*, which addresses relationships between cartography and vernacular literature in early modern print culture. In particular, the book examines the ways literature, the arts, and cartography interact and evolve in forming "ideas of national space, idiom, and literature." Dr. Conley also began his term at the Newberry in January.

Professor Valerie Irene Flint began her three-month tenure as a short-term fellow in early December. Her research here will contribute to the completion of a short book which she calls *The Medieval Cosmology of Christopher Columbus.* As the title suggests, Dr. Flint is interested in medieval written texts, oral accounts, and maps that influenced Columbus' decision to sail west for the East, his attempts to reconcile what he encountered with his expectations, and the nature of the Christian cosmology which "informed Columbus's explorations as a whole." Dr. Flint is Professor of History at the University of Auckland, New Zealand.

We welcomed back former Smith Center Administrative and Research Assistant Dalia Varanka for a one-month visit starting in mid-December. Dalia is now working on her dissertation at the University of Wisconsin-Milwaukee. She is studying English atlases with texts circa 1700 to learn how the maps and texts (and the relationship between the two) of the atlases helped to structure and diffuse information about North America.

Finally, Anne S. Chapple, a doctoral candidate in English literature at the University of Chicago, begins a two-month fellowship at the library in late January. Ms. Chapple's research here will contribute to her dissertation examining cartographic representations and literary references to the human body and animal figures as maps.

New Publications

A new illustrated catalogue describing the Newberry's holdings of a frequently neglected form of cartography has just been published. *Military Architecture, Cartography and the Representation of the Early Modern City: A Checklist of Treatises on Fortification in The Newberry Library* has been compiled and annotated by Martha D. Pollak, a historian from the University of Illinois-Chicago. The project was inspired by, and originally intended to illustrate, an exhibit of the same title created by Dr. Pollak in conjunction with *Profiling the City*, the recent Tenth Kenneth Nebenzahl, Jr. Lectures in the History of Cartography. The catalogue is intended

to provide an exhaustive survey of the library's collection of military treatises, which had a profound effect on urban planning and plan-making. In all, 72 works dating chiefly from the sixteenth and seventeenth centuries are described, annotated, and illustrated. References to secondary literature and to other copies of each work are also included. The entire work is introduced by a 13-page essay by Dr. Pollak. The catalogue may be ordered from the University of Chicago Press or the Smith Center for $15.00 (plus postage and handling).

Brian Harley, with Jossie Nebenzahl, at last November's Nebenzahl Lectures.

Obituary
John Brian Harley

Brian Harley's death came as a great shock to all his friends at the Library, where we had recently seen him--in his usual good form--at the Nebenzahl Lectures. It is almost impossible to imagine future meetings of historians of cartography without his presence: always with some new ideas, always ready to offer good advice, always ready to drink some beer and talk.

Curiously, Brian never wrote a substantial book. During his early years, at the University of Exeter in England, he was indefatigable in editing maps, particularly those of the Ordnance Survey series, on which he was the great expert. He moved to Milwaukee in 1986, and during the 1980s had been developing the ideas for which we best knew him,

David Woodward (right) and Brian Harley engaged in conversation during the Nebenzahl Lectures.

about the social nature of maps. He also spent many hours working with David Woodward on their great *History of Cartography*, whose first volume triumphantly emerged in 1987, with the next due this May.

Brian was not content, like many of us, to look at a map in terms of its superficial appearance, or its place in the history of cartography. For him, maps were, as he put it, "a culture's icons," and in them all manner of values were, sometimes unconsciously, displayed. Probably the fullest expression of this conviction comes in his masterly catalogue to the exhibition, *Maps and the Columbian Encounter*, in which he applies his theories to the process of colonial mapping. The travelling version of this exhibition has been winning high praise from all around the country.

At the Center we were looking forward to the Nebenzahl Lectures in 1993, when Brian was due to speak precisely on "Colonial Cartographies," no doubt developing the ideas so temptingly set out in his catalogue. These ideas seemed to come to him with the most enviable abundance, and would have formed the matter of two substantial books, for which he had contracted with two major university presses.

Now, alas, we shall never have the pleasure of reading those books. But at least we shall one day, if all is well, read his contributions to the next volumes of the *History of Cartography*, consoling ourselves with the thought that he died at the height of his powers, long before the springs of his inspiration had begun to dry. Rest in peace, Brian.

David Buisseret

Briefly Noted

Conferences and Exhibitions

The **Hispanic Society of America** is mounting an exhibition entitled *Maps, Charts, Globes: Five Centuries of Exploration* from 26 February to 8 May 1992 featuring important printed and manuscript maps from its collection. The exhibition is sponsored in part by the Program for Cultural Cooperation Between Spain's Ministry of Culture and United States' Universities. Admission to the exhibit will be free. For information contact: The Hispanic Society of America, Broadway between 155th and 156th Streets, New York, NY 10032 (phone 212/926-2234).

The **Brevard Museum**, Cocoa, Florida, will open a special exhibition of maps of Florida on 1 March 1992, which will continue through the summer. Called *Where in the World Are You?*, the exhibit will contain over 60 historic maps, some of them rare. It will also examine the science and history of cartography. The museum is located at 2201 Michigan Avenue, Cocoa, FL 32926 (phone 407/632-1830).

The Winter newsletter of Jonathan Potter, Ltd., an antiquarian map house in London, has brought to *Mapline*'s attention **The American Museum** near Bath, England. The museum, which consists primarily of American room settings from the seventeenth to nineteenth centuries, is also noteworthy for its use of original maps "to illustrate and emphasise the white man's experience in the country." A new gallery at the museum also displays selections from the collection of Dr. Dallas Pratt, "one of the most comprehensive in private hands [concentrating] on maps pre 1600 illustrating the great discoveries and the cartographic development of the Americas." For information about the museum contact Jonathan Potter Ltd., 21 Grosvenor Street, Mayfair, London W1X 9FE.

An exhibition entitled *City of Magnificent Distances* opened at the **Library of Congress** on 17 October 1991 and will remain open until 15 March 1992. The exhibit celebrates the bicentennial of the formal presentation of the plan for the U.S. capital city by Pierre Charles L'Enfant to George Washington in August 1791. City of Magnificent Distances employs, maps, manuscripts, and a variety of other media to illustrate the growth of the city. The exhibition is open 8:30 a.m. - 9:30 p.m. Monday through Friday and 8:30 a.m. - 6:00 p.m. Saturday and Sunday at the Madison Gallery of the James Madison Memorial Building, 101 Independence Avenue. S.E., Washington.

Maps and the Columbian Encounter, an exhibit of map facsimiles and other imagery commemorating and interpreting the meeting of the Western and Eastern Hemispheres, continues to tour libraries in the Midwest and elsewhere. The exhibition is accompanied by the commentary of the late J. B. Harley and organized by Mark Warhus, both from the Office for Map History, the University of Wisconsin-Milwaukee. It has been mounted with the financial support of the National Endowment for the Arts. The currently scheduled appearances of this exhibit for 1992 are as follows:

JANUARY: Library, UCLA; Bradley University, Peoria, Ill.
FEBRUARY: Emory University, Atlanta; Eau Claire Library, Eau Claire, Wis.
MARCH: University of Houston; Rock County Historical Society, Janesville, Wis.
APRIL: University of Wisconsin Center, West Bend
MAY: HJemKost Center, Moorhead, Minn.
JUNE/JULY: Ohio State University, Columbus; McLean County Historical Society, Bloomington, Ill.
AUGUST: Liberty State Park, Jersey City, N.J.
SEPTEMBER: Public Library of Cincinnati and Hamilton County; Ripon College, Ripon, Wis.; Rockford Museum, Rockford, Ill.
OCTOBER: Denver Museum of Natural History; University of Wisconsin Center, Rice Lake
NOVEMBER: Milwaukee Public Library
DECEMBER: Dayton and Montgomery County Public Library, Dayton, Ohio

A short tour of the original maps that were reproduced in the facsimile exhibition is also planned for 1992. This tour will begin at the Newberry Library on 15 May. *Mapline* 65 will have further information about this exhibition of original materials.

An illustrated guide to the facsimile exhibition

CLAVDII PTHOLOMEI TILEX
ANDRIAE COSMOGRAPHI
CHOR
ZEPHIR
SEPTEN
HISPANIOLA INSVLA
TOTA ISTA PROVINCIA VALENTIA FERT PER MANDRVM
INCOGNITA
AFRICVS
AMERICA
LYBONOTH
AFFRICA
INTERIOR

written by Dr. Harley is available from the Office for Map History for $12.95 plus $2 shipping/handling, as are an exhibition videotape (29 minutes, $35 plus $2) and an 20x30-inch full color exhibition poster featuring a leaf from the Newberry Library's manuscript Lopes atlas of 1566 ($10 plus $1). For more information about the exhibitions and related publications write Beth Schaefer, Office for Map History, Golda Meir Library, University of Wisconsin-Milwaukee, P.O. Box 604, Milwaukee, WI 53201 (phone 414/229-4101).

Map Societies

The Israeli Map Collectors Society Journal has recently come to our attention. The journal includes news and short articles dealing primarily with the cartography of Israel. Issue number eight, which was published this past summer, features an article by Arrigo A. Barac entitled "Ophir: A Well Kept Secret from the Time of Solomon," and "Holy Land Maps and Views by German Speaking Cartographers," by G. & E. Wajntraub. Information about the society and its journal may be had from The Israeli Map Collectors Society, 4, Brenner Street, Jerusalem 92103, Israel.

The Cartographic Library and Institute of the Italian Marches

The "Cartoteca storica regionale delle Marche" was founded in 1987 with the aim of acquiring and cataloguing cartographic documents relating to the Italian Marches (the Ancona and Urbino region). The Cartoteca is shortly to move into a restored

Pictured above are the participants at the meeting of the International Society of Curators of Early Maps which convened on 13 June 1991 at Uppsala, Sweden. "ISCEM" plans another meeting to precede the Fifteenth International Conference on the History of Cartography here in Chicago in June 1993. Photo courtesy of Ed Dahl.

palace in Serra San Quirico, a little town near Fabriano.

Plans for 1992 include the mounting of a permanent exhibition of regional maps and publication of facsimiles of the sea charts produced by members of the Benincasa family of Ancona in the fifteenth and sixteenth centuries, supported by critical essays.

The Cartoteca is run by two historians of cartography, Giorgio Mangani (a publisher) and Valerio Paci (an architect). They are editors of the historical atlas of the Marches, whose second volume (1982) dealt with the history of cartography. Among other activities, they mounted an exhibition on the cartography of the Ancona region in 1989. (Contributed by Tony Campbell, The British Library, Map Library and Giorgio Mangani)

Collection Announcements

The John Carter Brown Library (Brown University, Providence) has received as a gift the papers of Lloyd Brown, author of the classic general history of cartography, The Story of Maps (1949), and several other books on the history of cartography and carto-bibliography. Brown was curator of maps at the William L. Clements Library at the University of Michigan before he became librarian at the Peabody Institute in Baltimore. The "JCB" newsletter observes that the library does not actively seek the papers of twentieth-century figures, but this collection of Lloyd Brown's published works, his correspondence, and unpublished bibliographical and historical manuscripts was willingly accepted, central as is it to the JCB's cartohistoric interests.

The University of Southern Maine has announced the establishment of a new historical map library, the Osher Map Library dedicated to the care and enhanced use of two major donated map collections. The Osher Collection, compiled by Dr. and Mrs. Harold L. Osher and the Smith Collection, compiled by Mr. and Mrs. Lawrence M. C. Smith both concentrate on Maine and New England, but also include other important North American and Western Hemisphere materials. The new library's holdings will include more than 1000 sheet maps and atlases published prior to 1800, with as many or more published after that date, more than 50 globes, and over 200 geographies, gazetteers, and histories. Funds to establish a library facility were pledged to the university by Dr. and Mrs. Osher in 1989 at the time their collection was donated to the university. The Osher Map Library will form an integral part of the new University of Southern Maine Library, in Portland, and will contain exhibition areas, a seminar room, and facilities for research and study. Interested members of the public are invited to join the Osher Library Associates, which has been organized to support the library's activities. For information about this group write: Alf Jordan, Secretary-Treasurer, 28 Blueberry Cove, Yarmouth, ME 04096.

Recent Publications

Reviews

Glimpses of History from Old Maps: A Collector's View/Jonathan T. Lanman. Tring, Herts, England: Map Collector Publications, 1989. 102p., illus.; hbk. ISBN 0-906430-10-0. £28 from Map Collector Publications, 48 High Street, Tring, Herts, HP23 5BH, England.

This charming collection of fourteen essays reflects Dr. Lanman's wide interests as map collector, medical doctor and extensive traveller. The essays are very easy to read, not only because of their terse and straightforward style, but also because Lanman illustrates his arguments from a wide variety of sources; coins, sculptures and other artefacts come into play to elucidate the content of the maps. He also draws on an exceptionally wide experience as a traveller, notably in explaining the use of Pacific stick charts. Glimpses is just that, but with a most entertaining and ingenious guide. (D.B.)

The Historical Cartography of Scotland: A Guide to the Literature of Scottish Maps and Mapping prior to the Ordnance Survey/John Moore. Aberdeen: Dept. of Geography, Univ. of Aberdeen, 1991. O'Dell Memorial Monograph No. 24. 95p.; ISSN 0141-1454. £3.50, from Dept. of Geography, Elphinstone Road, Aberdeen AB9 2UF.

This is a second, enlarged edition of a previous effort by Moore. It is sure to become a basic bibliographical resource for all concerned with Scottish cartographic history and historical geography. The

bibliography is well indexed and usefully organized under a mixture of chronological, thematic, and regional headings. There are also sections dealing with general histories, bibliographies, and exhibitions. (J.A.)

Catalogue of the Pepys Library at Magdalene College Cambridge, vol. 4: *Music, Maps and Calligraphy*/J. Stevens, S. Tyacke, R. McKitterick and J. Whalley, compilers. Woodbridge: Boydell and Brewer, 1989. 138p.; hbk., ISBN 0-8591-246-9, $143 from: Boydell and Brewer, P.O. Box 41026, Rochester, NY 14604.

The omnivorous Samuel Pepys collected not only books, prints and manuscripts, catalogued in other volumes of this series, but also music, maps and calligraphy. Sarah Tyacke's introduction to the maps section is exemplary, explaining the nature of the collection, which now numbers 1100 maps, and setting it into its historic context. Other English political figures of the late seventeenth century made such collections, of which the best known is William Blathwayt's, but the Pepys collection of maps "is by far the largest and best organised and catalogued"; only the royal collections excel it.

Pepys himself regarded this part of his collection as very important; it is thus the only part for which a separate subject catalogue was prepared. This seems to be "the earliest geographical catalogue of a library known to exist in England," and shows at every turn Pepys' own intimate involvement. Whether as an example of early cataloguing, or as a demonstration of the range of geographical knowledge now available to English statesmen, this catalogue makes fascinating reading. (D.B.)

Maps in British Periodicals, Part II: Annuals, Scientific Periodicals & Miscellaneous Magazines mostly before 1800/David C. Jolly. Brookline, Mass.: David C. Jolly, 1991. 317p.; hbk. ISBN 0-911775-52-8, $45 from: David C. Jolly, Publishers, P.O. Box 931, Brookline, MA 02146.

This is the second part of Jolly's comprehensive bibliography of the maps appearing in eighteenth-century British magazines. And like the first, which covered the output of five major monthlies (see our review in *Mapline* 61-62), it affirms what a powerful tool a computer can be in the hands of a nimble and creative bibliographer. The work is based on solid old-fashioned bibliographical spadework. In compiling his descriptions of 932 maps from 53 different magazines (newspapers are excluded) Jolly visited 11 libraries in the northeastern U.S. and England, consulting nearly 2000 copies of maps and over 100 periodicals (both with and without maps). The entries are simple yet thorough, sensibly organized, and easily accessible through six indexes. But it is the profusion of intelligent introductory information, including a list of map engravers organized by year and a guide to the periodicals themselves running nearly 60 pages, that make this carto-bibliography exceptional. (J.A.)

La Carte de Cassini: L'Extraordinaire Aventure de la Carte de France/Monique Pelletier. Paris: Presses de l'Ecole Nationale des Ponts et Chaussées, 1990. 263p., illus.; hbk., ISBN 2-85978-143-9, from: L'Ecole Nationale des Ponts et Chaussées, 28 rue des Sainte-Pères, 75007, Paris, France.

In ten chapters, Monique Pelletier takes us from the first works of the Académie des Sciences down to the production of the "Carte de l'Etat-Major"; five appendixes round out this study of the Cassini dynasty. After reading the book, one is astonished that nobody until now had attempted a full treatment of so seductive a theme, and one so central to the understanding of the history of cartography in France. It is written in an easy and engaging style, and handsomely produced by the press of the Ecole Nationale des Ponts et Chaussées; it will become indispensable reading for anybody interested in the mapping of France between the middle of the seventeenth century and the beginning of the nineteenth. (D.B.)

Map Cover Art: A Pictorial History of Ordnance Survey Cover Illustrations/John Paddy Browne. Southampton: Ordnance Survey, 1991. 144p., illus.; ISBN 0-319-00234-9, £15 from: Map Collector Publications, 48 High Street, Tring, Herts, HP23 5BH, England.

This appreciative survey of the art and artists of Ordnance Survey tourist map covers is intended for and will delight the growing number of collectors of late nineteenth- and twentieth-century road maps. As with all collectible maps, these have two sources of attraction--their geographical "content" (in this

case, mostly the road network and roadside landscape of the past) and their aesthetic charms, which is Browne's exclusive focus here. North American collectors tend to focus on "oil company" maps of the 1920s and 1930s, partly because the maps of that period are the most attractive. Browne's romp through the Ordnance Survey cover art (chiefly by Arthur Palmer and Ellis Martin) from the same period reveals a similar "golden age."

The exquisite reproductions of scores of map covers make Map Cover Art a must for any serious collector of the genre. The accompanying text, though written in an easily accessible style, is somewhat less engaging, and hampered by the fact that the reproduced maps are not adequately related (by plate numbers, which would have been useful) to accompanying passages in the text. Browne's decision to avoid discussion of the aesthetic qualities of the maps themselves is a wise one, as this would open an altogether larger can of worms. Yet one would like to see, alongside his assessment of the aesthetic qualities of various covers, some discussion of the social aspect of the cover art, its role in establishing or affirming the normative (middle class) view of British landscape, perhaps, or similar such topics. My suspicion is that for British and American collectors alike, the aesthetic attraction of road map covers from the interwar period is underlain by a romanticized view of the dallying roadside travel (by whatever mode) in that seemingly less frenetic age. Browsing through Browne's book reinforces this view, and will hopefully encourage study of this largely unstudied genre of popular cartography. (J.A.)

Notices

(The editor wishes to acknowledge his partial reliance on a list of recent publications compiled by Eric Wolf in *The Portolan*, the newsletter of the Washington Map Society, number 22, for Fall 1992.)

Atlas de la Révolution française. Vols. 4-5. *Le territoire: Réalités et représentations, and Le territoire: Les limites administrative.* Paris: Éditions de l'École des hautes Études en Sciences Sociales, 1989. 106 + 125p., illus., with map suppl.; pbk., ISBN 2-7132-0942-0 and 2-7132-0929-3, from Éditions de l'École des hautes Études en Sciences Sociales, 131, blvd Saint-Michel, 75005 Paris, France.

Barber, Peter. *Switzerland 700.* London: The British Library, 1991. Exhibit catalogue. pbk., £9.95, hbk., £14.95 from The British Library, Marketing and Publicity, London WC1B 3DG, UK.

La Cartografia de la Península Ibèrica i la seva extensió al continent Americà. Barcelona: Institut Cartogràfic de Catalunya, 1991. Proceedings of the second doctorate course on the history of cartography organized by the Institut Cartogràfic de Catalunya, 11-14 February 1991. 279p., illus.; pbk. ISBN 84-393-1670-4. Barcelona: Institut Cartogràfic de Catalunya, 1991. Order from Institut Cartogràfic de Catalunya, Cartoteca de Catalunya, Balmes, 209-211, 08006 Barcelona, Spain.

Castner, Henry W. *Seeking New Horizons: A Perceptual Approach to Geographic Education.* Montreal and Kingston: McGill-Queen's University Press, 1990. 206p., illus.; hbk., ISBN 0-7735-0728-0, $37.95 Cdn. from McGill-Queen's University Press, 3430 McTavish Street, Montreal, Quebec, H3A 1X9, Canada.

Catalogue of Maps and Other Publications of the Ordnance Survey, 1924. Repr. Newtown, U.K.: David Archer, 1991. Iv, 80p., illus.; ISBN 0-9517579-0-3, £9.95 from: David Archer, The Pentre, Kerry, Newtown, Powys. SY16 4PD, UK.

Cosentino, Andrew J., Richard W. Stephenson, and Cheryl A. Regan, compilers. *City of Magnificent Distances, the Nation's Capital: A Checklist.* Washington: Geography and Map Division, The Library of Congress, 1991. Checklist of items, including maps, in the current exhibit marking the 200th anniversary of the L'Enfant plan. 31p.; pbk.

Cremonini, D. *L'Italia nelle Vedute e Carte Geografiche dal 1493 al 1894: Libri di Viaggi e Atlanti.* Bibliographic catalogue of a private collection. Modena, 1991. L100,000.

Dubreuil, Lorraine. *Standard Topographical Maps of Canada, 1904-1948.* Ottawa: Association of Canadian Map Libraries and Archives, 1991. Occasional Papers of the Association of Canadian Map Libraries and Archives no. 3. 31p., illus.; pbk., ISBN 0-9695062-0-1, $10 Cdn. from Association of Canadian Map Libraries and Archives, c/o Cartographic and Architectural Archives Division, National Archives of Canada, 395 Wellington Street, Ottawa, Ontario K1A 0N3, Canada.

Heever, L. van de, et al. *Maps of Africa: Proceedings of the Symposium on Maps Held at the*

South Africa Library, Cape Town on 24-26 November 1988. Cape Town: South African Library, 1989. R50 from South African Library, P.O. Box 496, 8000 Cape Town, South Africa.

Heijden, H. A. M. van den. *De Oudste Gedrukte Kaarten van Europa/The Oldest Printed Maps or Europe.* Alphen aan den Rijn: Canaletto, 1991. Dfl.95 from Postbus 68, 2400AA Alphen aan den Rijn, The Netherlands.

Hundred Russian Maps and Atlases of the 18th and 19th Century: Annotated Catalogue of the Exhibition for the 14th International Conference on the History of Cartography, June 1991. Leningrad: Library of the Academy of Sciences of the USSR, 1991. 71p.; pbk.

Iseminger, Gordon L. *The Quartzite Border: Surveying and Marking the North Dakota-South Dakota Boundary, 1891-1892.* Sioux Falls: Center for Western Studies, Augustana College, 1988. 141p., illus.; pbk., $10.95 from Center for Western Studies, Augustana College, Box 727, Sioux Falls, ND 57197.

Jolly, David C. *Antique Maps, City Views, Sea Charts, Celestial Charts and Battle Plans: Price Record and Handbook.* Brookline, Mass.: David C. Jolly, 1991. 320p., illus.; hbk. ISBN 0-911775-08-0, $34.50 from David C. Jolly, Publishers, P.O. Box 931, Brookline, MA 02146.

Junius, H., ed. *Entwicklung der ländlichen Bodenordnung im Lande Nordrhein-Westpfalen.* Stuttgart: Wittner, 1990. Proceedings of the 4th Symposium for the History of Land Surveys, Dortmund, Feb. 2, 1990.

Karamtisanis, Aphrodite, ed. *Place Names of Alberta.* vol. 1. *Mountains, Mountain Parks and Foothills.* Calgary: Alberta Culture and Multiculturalism; Friends of Geographical Names of Alberta Soicety; University of Calgary Press, 1991. 292p., illus.; pbk., ISBN 0-919813-91-7 (set), ISBN 0-919813-73-9 (vol. 1), from University of Calgary Press, 2500 University Drive N.W., Calgary, Alberta, Canada T2N 1N4.

Keyes, G. S. *Mirror of Empire: Dutch Marine Art of the Seventeenth Century.* Minneapolis: The Minneapolis Institute; Cambridge University Press, 1990. Catalogue to an exhibition of Dutch paintings and maps held in 1990-91 and hosted by the Minnespolis Institute of Arts, the Toledo Musuem of Arts, and the Los Angeles County Museum of Arts. $65.

Kretschmer, Ingrid. *Die Rolle Österreichs bei der kartographischen Erschliessung Mitteleuropas* [Austria's Role in the Cartographic Unlocking of Central Europe]. Vienna: Mitteilungen der Österreichischen Geographischen Gesellschaft, 1990.

Kugler, Hartmut, ed. *Ein Weltbild vor Columbus: Die Ebstorfer Weltkarte Interdisziplinäres Colloquium 1988.* Weinheim, Germany: VCN/Acta Humaniora, 1991. 408p., illus.; hbk., ISBN 3-527-17670-5.

Lord, Phillip, Jr., ed. *War over Walloomscoick: Land Use and Settlement Pattern on the Benninton Battlefield, 1777.* Albany: New York State Museum, 1989 (New State Museum Bulletin No. 473). Description and account of battlefield map by Lieut. Desmaretz Durnford, together battle accounts and local historical geography. 192p., illus.; pbk., $15 plus $1 (postage) from NY State Museum Publication Sales, 3140 Cultural Education Center, Albany, NY 12230.

Joel Makower, ed. *The Map Catalog: Every Kind of Map and Chart on Earth and even Some above It,* 2nd ed. New York: Tilden Press/Vintage, 1990. 364p., illus.; pbk., from Vintage Books, 201 E. 50th St., 31st Floor, New York, NY 10022.

Mesenburg, P. *Die Portulankarten des Petrus Roselli von 1449.* Karlsruhe: Karlsruher Geowissenschaftliche Schriften, Alte Karten, Heft 1, 1989. SFr 19.

Pagani, L., et al. *Civitates Orbis Terrarum. Steden van de wereld: Europa, Amerka, Afrika, Azie.* 2 vols. Alphen aan den Rijn: Atrium, 1990. Dfl 32.50 per vol.

Peters, Arno. *Map of the World: Peters Projection--A Map which Represents Countries Accurately According to their Surface Areas.* London: Robertson McCarta, 1990. Trans. from the German edition.

Polk, Dora Beale. *The Island of California: A History of the Myth.* Spokane: Arthur H. Clark, 1991. 398p.; ISBN 0-87006-198-X, $39.50 from Arthur H. Clark Co., P.O. Box 147071, Spokane, WA 99214.

Ruggles, R. *A Country So Interesting: The Hudson's Bay Company and Two Centuries of Mapping, 1670-1870.* Kingston and Montreal: McGill-Queen's University Press, 1991. C$49.95 from McGill-Queen's University Press, 3430 McTavish Street, Montreal, Quebec, H3A 1X9, Canada.

Scharfe, Wolfgang, and Hans Harms, eds. *5 Kartographiehistorisches Colloquium Oldenburg 1990: Beiträge ind Berichte* [Fifth Cartographic-Historic Colloquium Olderburg 1900: Contributions and Reports]. Berlin: Dietrich Reimer Verlag, 1991. DM98 from Dietrich Reimer Verlag, Unter den

Eichen 57, 1000 Berlin 45, Germany.

Simek, R., ed. *Altnordische Kosmographie: Studien und Quellen zu Weltbild und Weltbeschreibung in Norwegen und Island von 12 bis zum 16 Zahrhundert.* Berlin: de Gruyter, 1990.

Smith, Murphy D. *A Catalogue of Maps in the Library of The American Philosophical Society.* Philadelphia: American Philosophical Society, 1991. 599p., illus.; hbk. ISBN 0-87169-195-7, $40 from: The American Philsophical Society, 104 South Fifth Street, Philadelphia, PA 19106.

Sporrong, Ulf, and Hans-Frederik Wennström, eds. *Maps and Mapping.* [Stockholm?]: SNA, 1990 (National Atlas of Sweden. vol. 1). 205p., illus.; hbk., ISBN 91-87760-02-9.

Tingley, Susan, and Linda Newman, eds. *Nevada Bureau of Mines and Geology Publications through 1989* (Nevada Bureau of Mines and Geology Special Publication 12). 473 items incl. 100 maps. 193p.; $10, plus $1 shipping from NBMG Sales Office, NBMG/MS 178, University of Nevada, Reno, Nevada 89557-0088.

Turnbull, David. *Maps Are Territories: Science Is an Atlas: A Portfolio of Exhibits.* Geelong, Victoria: Deakin University, 1989. Vi, 66p., illus.; ISBN 0-7300-0688-3, Aus$25 from Deakin University Press, Deakin University, Geelong, Victoria 3217, Australia.

UNESCO Courier 44, 6 (June 1991). Maps and Map-Makers. 10 articles on various carto-historic subjects by J. B. Harley, N. J. W. Thrower, and others.

Ventura, A. *Gli Stati Italiani di Piri Re'is: La Cartografica Turca all Corte di Solimano Il Magnifico* [The Italian States of Piri Re'is: Turkish Cartography at the Court of Suleiman the Magnificent]. Cavallini di Lecce, 1991. L150,000.

Walthall, John A., ed. *French Colonial Archaeology: The Illinois Country and the Western Great Lakes.* Urbana and Chicago: University of Illinois Press, 1991. Historic maps figure prominently in the sources used and illustrations. 290p., illus.; hbk. ISBN 0-252-01797-8, $39.95 from: University of Illinois Press, 54 East Gregory Dr., Champaign, IL 61820.

Weise, A. *Landkarten, Entdecker, Conquistadoren.* Gotha: Hermann Haack Geographisch-Kartographische Anstalt, 1989. Discusses philately. DM32.40 from Hermann Haack Geographisch-Kartographische Anstalt, Justus-Perthes Str. 3-9, PF 274, 5800 Gotha, Germany.

Westrem, Scott D., ed. *Discovering New Worlds: Essays on Medieval Imagination.* New York and London: Garland, 1991. Includes some discussion of medieval maps. 276p., illus.; hbk. ISBN 0-8153-0102-2, $40 from: Garland Publishing, 717 Fifth Avenue, Suite 2500, New York, NY 10022 (phone 212/751-7447; fax 212/308-9399).

Zeeuw, A. De. *De Vereenighde Nederlanden in caert gebraght: Tentoonstellung van 16de en 17de-eeuwse landkaarten en stadsgezichten van de Noordelijke Nedrelanden uit particulier bezit in het Stedelikl Museum te Zutphen van 24 november 1990 tot 6 januari 1991* [The United Netherlands in Maps: Exhibition of the 16th- amd 17th-Century Maps and City Views of the Northern Netherlands in the Possession of the Zutphen Municipal Museum from 24 November 1990 to 6 January 1991]. Zupthen: Walburg Press, 1990.

New Maps and Facsimiles

Alaska Exploration Map Series. 4 col. maps, 59x89cm., each marking explorers' routes during a specific period (1728-1794, 1794-1867, 1867-1897, 1897-1941); accomp. 2p. of notes, bibliography on back of each map. Each set $25 (plus $2 postage) from The University of Alaska Press, Signers' Hall UAF, Fairbanks, AK 99775-1580.

Buttery, Lewis M., ed. *The Echols Atlas of the Texas Big Bend* and *The Echols & Hartz Big Bend Diaries, 1859-1860* (Old Maps of the Southwest, no. 10, parts 2-3 (of 4), Fall 1991). 51 + xxii, 95p., reproducing documentation, historic and modern maps relevant to the expedition by the Army Camel Corps to the Big Bend country led by 2nd. Lieuts. William H. Echols and Edward L. Hartz; parts 1 and 4 not yet published. $25 (part 2) and $15 (part 3) from Old Maps of the Southwest, 407 W. First St., Lampasas, TX 76550 (phone 512/556-6860).

[Lazius, Wolfgang?]. "Dvcatvs Ivraemontis comita. Svntgoviae landgraviat. Edelsassiae" [1545?] Photographic facsimile made from copy acquired in 1988 by the Österreichische Nationalbibliothek, Vienna. 32x44cm. For information contact Österreichische Nationalbibliothek, Kartensammlung-Globensmuseum, Josefsplatz 1, A-1015 Wien, Austria.

Manufacturers Mutual Fire Insurance Company Industrial Site Maps, 1894-1954. 2000 site plans (in 35 U.S. states and 3 Canadian provinces) produced by factory inspectors for insurance underwriters from the archives and library of the Henry Ford Museum, Dearborn, Michigan; accomp. by *Guide to the Manufacturers Mutual Fire Insurance Company Industrial Site Maps, 1894-1954*. 227 microfiche (24x), $1,475/set (guide is $50) from Chadwyck-Healey, 1101 King Street, Alexandria, VA 22314 (phone 703/683-4890, 800/752-0515, from Canada: 800/535-0228). Outside North America contact Chadwyck-Healey Ltd., Cambridge Place, Cambridge CB2 1NR, UK (phone 0223 311479).

Ortelius, Abraham. Four maps from the London, 1606 edition of the Theatrum Orbis Terrarum. Printed in four colors on acid-free archival quality paper. $100/set (tax deductable) from American Geographical Society Collection, The University of Wisconsin-Milwaukee, P.O. Box 399, Milwaukee, WI 53201, Attn: Ortelius Reproductions.

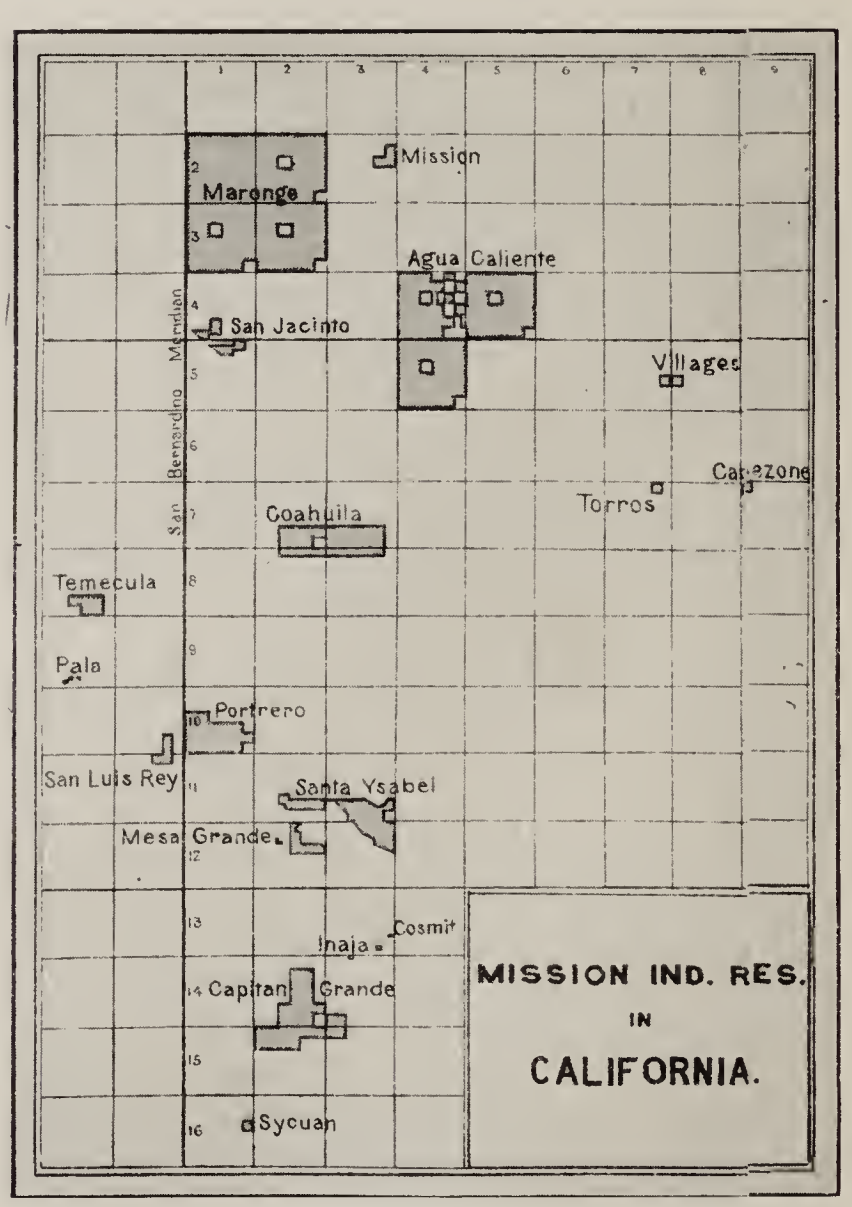
Ptolemaeus, Claudius. *De Geographia van Ptolemaeus: Vijftiende-eeuwse kaarten uit de Cosmographia*. Maps from the Codex Lat. V F. 32 in the National Library of Naples. Dfl 32.50 from Atrium, Alphen aan den Rijn, The Netherlands.

Saunders, A., ed. *Facsimiles of the Ordnance Surveyors; Drawings of the London Area, 1799-1808*. Introduced by Yolande Hudson. London: London Topographical Society, 1991 (Publication No. 144).

Taylor, George, and Skinner, Andrew. Survey and Maps of the Roads of North Britain or Scotland. 62 maps. Old Hall Press, Burton Salmon, Leeds LS25 5JS, England (phone 0977-672052). Limited ed. of 500 on fine paper; bound in eighteenth-century style; £55 (hand marbled boards), £155 (half leather binding).

Thornton, Samuel. *Sea Atlas*. Color microfiche reproduction of an eighteenth-century composite maritime atlas now in the New York Public Library. 172 charts on 22 color microfiche. $450 from MicroColor International, 85 Godwin Ave., Midland Park, NJ 07432.

United States Geological Survey. "Satellite Image Map of Antarctica" (Misc. Investigations Map I-2284). Map cooperatively published by U.S. and British agencies. 40x56 in.; 1:5,000,000. $5.25 (prepaid), plus $1 per order less than $10 from U.SGS, Box 25286, Federal Center, Denver, CO 80225 (specify map name and number I-2284).



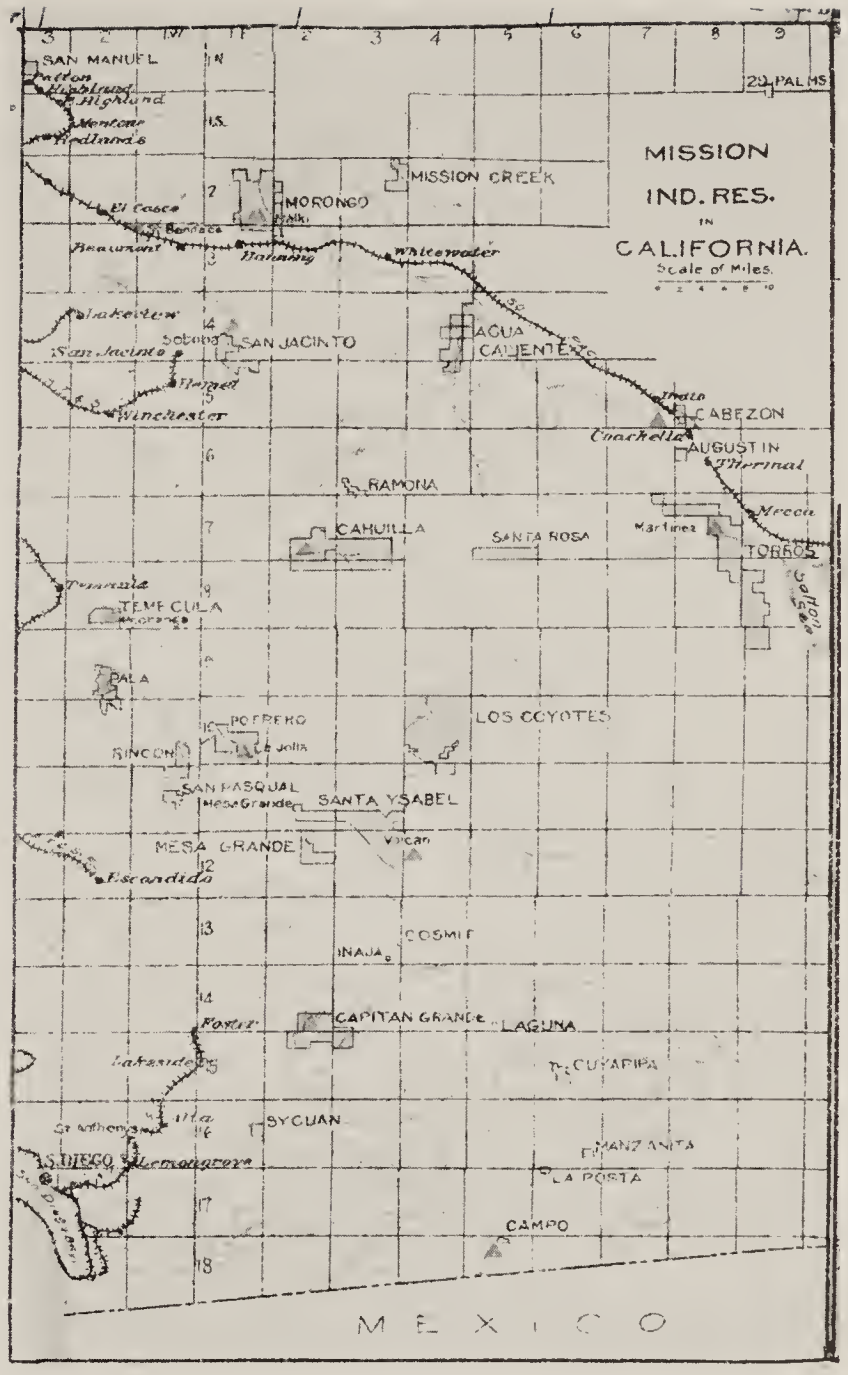
Inset showing the Mission Indian reservations in California, from "Map Showing the Location of the Indian Reservations within the Limits of the United States and Territories" (Washington: Department of the Intterior, Office of Indian Affairs, 1888).

Map Talk

...The first and most essential step, without there is no possibility of protecting these Indians or doing anything intelligently for them, is the determining, resurveying, rounding out, and distinctly marking, their reservations already existing. The only way of having this done accurately and honestly, is to have it done by a surveyor who is under orders and constant supervision of an intelligent and honest commissioner; not by an independent surveyor who runs or "floats" reservation lines where he and his friends or interested parties choose, instead of where the purpose of the United States Government, looking to the Indians' interests, had intended. There have been too many surveys of Indian reservations in Southern California of this sort....

The reservation lines, when thus defined, should be marked plainly and conspicuously by monuments and stakes, leaving no room for doubt. A plat of each reservation should then be given to the Indians living on it. It was pathetic, in our visits to village after village, the hear the Indians' request reiterated for this thing--"a paper to show to the white men where their lands were." Every fragment of writing they had ever received, which could by any possibility bear on their title to their lands, they had carefully preserved; old tattered orders from Army officers thirty years back, orders from justices of the peace, &c., all worthless of course, but brought forward with touching earnestness to show us. In no single instance had the reservation lines ever been pointed out to them. One band, the Sequan Indians, who had never seen any agent, said they had been told that they were on a reservation, but they did not know if it were true or not. They had been obliged to give up keeping stock, because they could not find any place where the whites would let them pasture cattle.

Helen Jackson and Abbot Kinney, *Report on the Conditions and Needs of the Mission Indians of California* (Washington: Government Printing Office, 1883), pp. 7-8.



Inset showing the Mission Indian reservations in California, from "Map Showing Indian Reservations within the Limits of the United States, 1912" ([Washington]: U.S. Geological Survey, 1912).

Calendar

20 February 1992, 5:30
Gary Plazyck will speak to the Chicago Map Society about computer cartography in Room 180, The Newberry Library.

27 February 1992, 5:00
Richard Oliver (University of Exeter) will gives his lecture, "Base and Superstructure: The Nineteenth Century Ordnance Survey and the Reordering of the Landscape," to the Maps and Society seminar at The Warburg Institute, London.

12 March 1992, 5:00
Denis Cosgrove (Loughborough University of Technology) will discuss the topic, "Mapping New Worlds: Culture and Cartography in Sixteenth Century Venice," at The Warburg Institute, London as part of the Maps and Society seminar.

19 March 1992, 5:30
Jerry Musich will address the Chicago Map Society on the history of transportation maps in Room 180, The Newberry Library.

30 April 1992, 5:00
Betty Ingram (Eastern Michigan University) will discuss "Maps as 'Readers' Aids: Genevan Bibles in the Sixteenth Century" as part of the Maps and Society seminar at The Warburg Institute, London.

30 April - 2 May 1991
The Western Association of Map Libraries spring conference will take place at California State University, Chico. Papers relating to the use of mapping in rural planning are especially encouraged. Contributions in other areas of mapping and map librarianship are equally welcome. For further information, contact: Joe Crotts, Meriam Library, California State University, Chico, CA 95929 (phone 916/898-6675; fax 916/898-4443; bit JCROTTS@CALSTATE.BITNET).

14 May 1992
John Andrews (Chepstow) will give a lecture entitled "'More Suitable to the English Tongue': The Cartography of Celtic Placenames" at The Warburg Institute, London, in the continuing Maps and Society seminar.

6-11 June 1992
The Geography & Map Division, Special Libraries Association will hold its annual meeting in San Francisco. For information write: Susan Ewart Peschel, Secretary, G&M Div., SLA, c/o American Geographical Society Collection, University of Wisconsin-Milwaukee Library, Milwaukee, WI 53201.

9-14 August 1992
The 27th International Geographical Congress is scheduled to meet in Washington, D.C. The Congress will include technical sessions on cartography and historical cartography. For information, write Anthony R. de Souza, Secretary General, 27th International Geographical Congress, 1145 17th Street N.W., Washington, D.C. 20036.

October 1992
The twelfth annual meeting of the North American Cartographic Information Society (NACIS) is scheduled to held in Minneapolis. For information contact James R. Anderson, Jr., Secretary, NACIS, Florida Resources and Environment Analysis Center, Florida State University, Tallahassee, FL 32306 (phone 904/644-2883).

4-7 November 1992
The 25th Anniversary Meeting of the Western Association of Map Librarians (WAML) will convene at Laie, Hawaii. For information contact: Riley Moffat, Box 1966, BYU-Hawaii Library, Laie, Hawaii 96762 (phone 808/293-3834, fax 808/293-3877).